



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.05.2003 Bulletin 2003/18

(51) Int Cl.7: **B29C 45/17**

(43) Date of publication A2:
27.11.2002 Bulletin 2002/48

(21) Application number: **02291226.5**

(22) Date of filing: **17.05.2002**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Takai, Kiyoshi,**
Sony Disc Technology Inc.
Shinagawa-ku, Tokyo (JP)

(74) Representative: **Thévenet, Jean-Bruno et al**
Cabinet Beau de Loménie
158, rue de l'Université
75340 Paris Cédex 07 (FR)

(30) Priority: **17.05.2001 JP 2001147397**

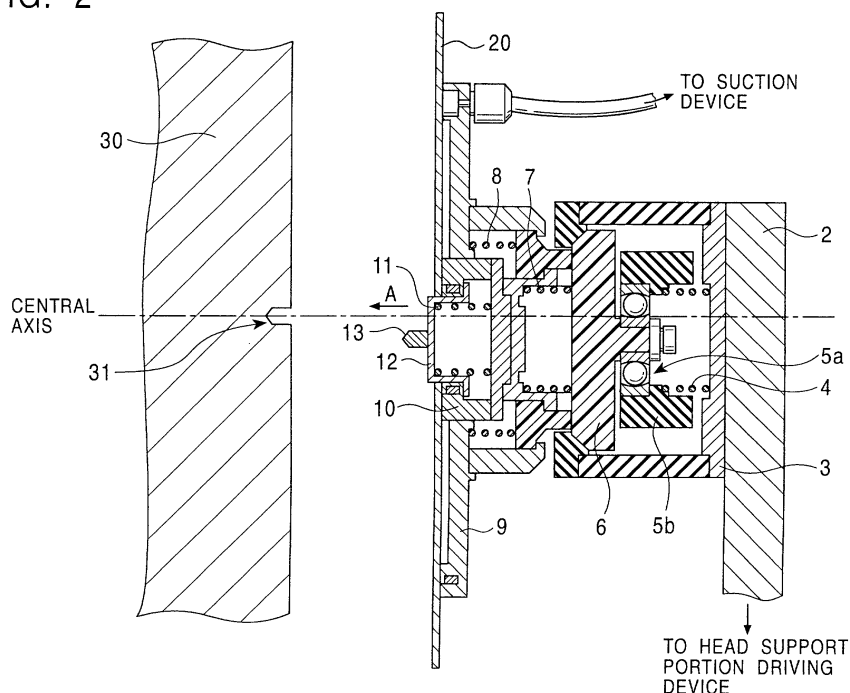
(71) Applicant: **Sony Disc Technology Inc.**
Tokyo (JP)

(54) **Object conveying device**

(57) An object conveying device is provided that is capable of mounting a conveyed object (20) such as a stamper, to a predetermined position while aligning it without deforming or damaging the conveyed object such as a stamper, a reference pin (13), and a molding die (30). This object conveying device includes a coil

spring (4) held to a case (3), an aligning bearing (5a) of which the outer ring is held to the coil (4), and a tray (9) and a conveyed body holding block (10) that are held to the inner ring of the aligning bearing (5a) and that hold the stamper (20). The coil spring (4) and the aligning bearing (5a) provide the tray (9) and conveyed body holding block (10) with flexibility to positional variations.

FIG. 2





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 29 1226

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	GB 2 287 210 A (SONY DISC TECHNOLOGY INC) 13 September 1995 (1995-09-13)	1	B29C45/17
A	* the whole document *	2,4,5,8	
A	EP 0 876 901 A (AXXICON MOULDS EINDHOVEN BV) 11 November 1998 (1998-11-11) * column 6, line 56 - column 8, line 35; figures 7-9 *	1,2,8	
P,A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) -& JP 2001 179776 A (SONY MIYUUJITSUKU ENTERTAINMENT:KK), 3 July 2001 (2001-07-03) * abstract *	1,2,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B29C
Place of search		Date of completion of the search	Examiner
THE HAGUE		12 March 2003	Bollen, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 B2 (Pd4C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 29 1226

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-03-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2287210	A	13-09-1995	JP 7186194 A	25-07-1995
			AT 404109 B	25-08-1998
			AT 241294 A	15-01-1998
			US 5599564 A	04-02-1997
EP 0876901	A	11-11-1998	NL 1005937 C2	02-11-1998
			EP 0876901 A1	11-11-1998
			JP 2975588 B2	10-11-1999
			JP 10302201 A	13-11-1998
			US 6056530 A	02-05-2000
JP 2001179776	A	03-07-2001	NONE	